

CAREER PROFILE

(Contribution in Engineering Research, Educational Management and Literature)



1	Name	Dr. Jagroop Singh
2	Father's Name	Baldev Singh
3	Educational Qualification	M.Tech. (Gold Medalist); MBA; PhD
4	D.O.B	26.1.1969
5	Specialization	Soil Mechanics & Foundation Engineering (M.Tech) Problem Based Learning (Ph.D)
6	Nationality	Indian
7	Present Employment	Principal Mehr Chand Polytechnic College, Jalandhar
8	E.mail Address	Jagroop_kiwi@yahoo.com
9	Membership	Life Member of the following prestigious Technical and Literary bodies a) Institution of Engineers (India) –F-1236071 b) Indian Geo-technical Society –LM 2270 c) Indian Road Congress LM-8062 d) Indian Society for Technical Education LM-43139 e) Punjab Academy of Sciences, Patiala L-751 f) Member, Governing Body of DAV Institute of Engineering & Technology
10	(a) Teaching Experience (b) Research Guide Experience	32 years 7 years (Guideship No. –CMJU-/G/2017/100092)
11	Administrative Experience	16 years as Principal , 6 years as HOD
12	Countries Visited	UK, Japan, South Korea, Thailand , UAE

- a) Gold Medal for standing first in M.Tech. (PTU) - 80.2% marks
- b) Received ISTE Ranganathan Engineering College National Award for Best Polytechnic Principal in 2025 at 55th ISTE National Award Convention
- c) Received Principal of the year 2022 award from Universal Mentors Association .
- d) Received Mission Fateh warrior Bronze Certificate from Chief Minister of Punjab in 2020 for exemplary efforts in combating the Covid -19 virus and discharging duties as a responsible citizen.
- e) Received National Achievement Award for Education Excellence 2017 by Global Achievers Foundation at Dehradun .
- f) Received Asia Pacific International Award in 2013 in Bangkok.
- g) Received Award of Honour and certificate of appreciation from Anti Corruption Society (Regd.) Jalandhar at 26th Annual Function held on 11.03.2012
- h) Received Rashtriya Shiksha Samman Puraskar from India Society for Industry Intellectual Development , New Delhi (2011)
- i) Received Management Excellence Award from Management & Industrial Development Institute (MIDI) in 2011.
- j) Received Rashtriya Vidya Saraswati Puraskar at National Seminar organized by IIEEM, New Delhi. (2010)
- k) Received 1st prize in short story competition in 2004
- l) Honoured by Punjabi Bradree Kolkata in 1995 for contribution in the field of Art and Literature.

14 *Achievements/Contributions*

Academic: (Research Paper Presentation)

- **Research Paper entitled : Reconciling Growth and Sustainability : A Conceptual Framework for India's Construction Sector** published in International Journal of Creative Research Thoughts – ISSN:2320-2882 Volume 13 Issue 11 November 2025.
- **Research Paper entitled 'Economic Multipliers and Sustainability Challenges in India's Construction Sector: An Empirical Analysis** published in IJCRT(www.ijert.org) 7.97 Impact Factor Volume 13 Issue 11 November 2025 (Paper ID: IJCRT 2511416)
- Presented research paper on “critical review of alternate system of medicine (Shivambu chikitsa) for treatment of ailments & disorders at National Conference - SYMHEALTH 2024 on Sustainable Healthcare systems for Population on Planet Health -26th & 27th April 2024 at symbioses International University PUNE.
- Research paper on “Analyzing the success factors for implementing building information modeling (BIM) in Construction Industry” published in Industrial Engineering Journal ISSN:9970-2555 Volume:52, Issue 6, No. 2, June ,2023.

- *Research paper on “Sondhara”- A panacea for all ailments and disorders presented at World Conference on Alternate Medicine on 13th- 14th May 2023 at Aluva , Kerala.*
- *Research Paper on “Effect of Ductility on Rubbersised Concrete Columns presented at 43rd World Conference on Applied Science , Engineering & Technology - 29th & 30th December, 2022, goa, India.*
- *Research Paper on “ Study of the preliminary properties of M-25 and M-30 grade concrete using crumb rubber” presented at 37th National Convention of Civil Engineers and National Conference on “Emerging Technologies & Seismic concerns” -16th & 17th October,2022 at Brilliant Convention Indore.*
- *Research paper on Effectiveness of Problem Based Learning Approach in Engineering Education at Indian Polytechnics presented at the IAFOR International Conference on Language Learning – Dubai (IICLL Dubai 2018) – Feb 16-18, 2018.*
- *Research paper on the topic “Engaging Polytechnic Students with Problem Based Learning in Civil Engg. Courses” presented at 4th Asian Conference on Education held at Osaka , Japan (Oct. 24-28 , 2012)*
- *Research Paper ‘ Is Problem based learning (PBL) a better approach for engineering education at Indian Polytechnics?’ presented at 3rd Bharatiya Vigyan Sammelan and Expo held at Lovely University Phagwara, Punjab (11-14Oct., 2012)*
- *Research Paper ‘How to promote physics to strengthen technical education’ presented in AICTE & IAPT Sponsored National Seminar-cum-Workshop held at Satguru Ram Singh Govt. Polytechnic College for Girls Ludhiana (23 Feb,2012)*
- *Research paper ‘Problem based learning in Engineering education at Indian Polytechnics’ presented at 15th Punjab Science Congress held at GNDU Amritsar (9th Feb, 2012).*
- *Research Paper ‘Using a constructivist approach to tech physics’ presented at 15th Punjab Science congress held at GNDU Amritsar (8th Feb,2012)*
- *Research paper ‘Problem Based Learning in Engineering and Management’ presented in Absentia at S.B.Jain Institute of Technology, Management & Research Nagpur (28th Jan, 2012)*
- *Research paper on “Reorientation of Higher Education- Need of Values and ethics in Technical Education”, presented at 41st National Convention of ISTE, New Delhi held at B.B.S.B Engg College, Fatehgarh Sahib (16-18 Dec,2011)*
- *Research paper “Technical learning through sixth sense for visually handicapped” published in Vol 1 No.1 National issue of Annual journal ‘COHERENCE’ (2010), (DAV College for girls, Yamunanagar, Haryana)*
- *Applications of Knowledge Management in Educational Institutions at 11th Punjab Science Congress held at Thapar University Patiala. (8th February 2008).*
- *Technical Paper on Environmental Preservation by Bulk Utilization of flyash; presented in absentia at International conference on Geosynthetics IGS-Thailand at Bangkok, (6-7 December 2007).*

15. Achievement during Tenure of Principal (01.02.2009 onwards)

- a) Mehra Chand Polytechnic College was awarded Outstanding Polytechnic for the year 2024-25 at National Level (National Award) – 7th Sept. 2025.
- b) Mehra Chand Polytechnic College was awarded Best Polytechnic of North India in 2011, 2013, 2017, 2020 and 2023
- c) Mehra Chand Polytechnic College was declared as Community College of Punjab by M.H.R.D, G.O.I. in 2013
- d) Mehra Chand Polytechnic College was selected by British Council as the only Polytechnic College of North in 2014 for Institutional Capacity Building with Hackney Community College London as Training Partner
- e) College won Overall Trophy in State Tech Fests & State Youth Festivals nine times from 2010 to 2023.
- f) College was awarded Excellent Polytechnic in Punjab -2017 at 2nd National Punjab Education Summit held at NITTTR, Chandigarh.
- g) College was awarded Best CDTI Institute of Northern India in 2017 by NITTTR, Chandigarh
- h) College was awarded "Appreciation Award" by NITTTR, Chandigarh for effective implementation of UBA Scheme of MHRD, Govt. of India.

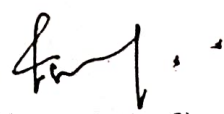
16 Books Published

a) Technical field

- 1) Elements of Earthquake Engineering-Eagle Publications Jalandhar. (2007)
- 2) Construction Management & Accounts Eagle Publications Jalandhar. (2007)
- 3) Soil Engineering & Foundation Eagle Publications Jalandhar(2004,2007 rev.)
- 4) A Book on Highway Engineering- Eagle Publications Jalandhar. (2006,2007 rev.)
- 5) A manual on Survey Camp- Eagle Publications Jalandhar. (2006-07 rev.)

b) Literary field

- 1 Nikke-Nikke Suraj (Punjabi Literature) -Ravi Sahit Parkashan, Amritsar.(2001)
- 2 Vithi Wala Booha (Punjabi Literature)—Lok Geet Parkashan, Chandigarh. (2008)
- 3 Navik Ke Teer (Hindi Literature)—Sadaknama Publiation, Moga (2009).
- 4 Mere Hissey Ki Dhoop (Hindi literature) -Eagle Parkashan, Jalandhar 2011
5. Shrimad Dayanand Prakash (Translation) - 5 aab Parkashan, Jalandhar 2013
6. Mahatma Anand Swami De Lok Pravachan - Eagle Parkashan (2022)
7. SONDHARA (A book on alternate medicine) - Eagle Publications (2022) - In Punjabi Language
8. SONDHARA (A book on alternate medicine) - Eagle Publications (2023) - In Hindi Language
9. SONDHARA (The Golden Panacea) - Eagle Publications (2024) - In English Language


(Dr. Jagroop Singh)